# PATENT COOPERATION TREATY

# **PCT**

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER		see Form PCT/ISA/220		
P792PC00	ACTION		as, where applicable, item 5 below.		
International application No.	International filing date (day/mon	h/year)	(Earliest) Priority Date (day/month/year)		
PCT/DK2004/000454	25/06/2004	:	26/06/2003		
Applicant					
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CARLSBERG A/S					
This International Search Report has been according to Article 18. A copy is being tra			ority and is transmitted to the applicant		
This International Search Report consists	of a total of st	eets.			
X It is also accompanied by	a copy of each prior art document	cited in this	report.		
	international search was carried ou ess otherwise indicated under this		sis of the International application in the		
The International this Authority (Ru		of a transla	alion of the international application furnished to		
b. With regard to any nucleo	b. With regard to any nucleotide and/or amino acid sequence disclosed in the International application, see Box No. I.				
2. Certain claims were fou	nd unsearchable (See Box II).				
3. Unity of invention is lacking (see Box III).					
4. With regard to the title,					
the text is approved as su	bmitted by the applicant.				
X the text has been established	hed by this Authority to read as foll	ows:			
LIBRARIES CONTAINING F		MOLECUL	ES PREPARED THROUGH INTRA-		
5. With regard to the abstract,					
X the text is approved as su	bmitted by the applicant.				
			y as it appears in Box No. IV. The applicant th report, submit comments to this Authority.		
6. With regards to the drawings,					
a. the figure of the drawings to be p	published with the abstract is Figure	No. 1			
as suggested by					
as selected by thi	s Authority, because the applicant	ailed to sug	gest a figure.		
as selected by thi	s Authority, because this figure bet	ter characte	rizes the invention.		
b. none of the figures is to b	e published with the abstract.				

### INTERNATIONAL SEARCH REPORT

International Application No
PCT/DK 2004 / 000454

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A. CLASSII IPC 7	FICATION OF SUBJECT MATTER C07K1/04 C07B61/00				
According to	o International Patent Classification (IPC) or to both national classifica	ation and IPC			
B. FIELDS	SEARCHED				
Minimum do IPC 7	Minimum documentation searched (classification system followed by classification symbols)				
·	ion searched other than minimum documentation to the extent that s				
Electronic data base consulted during the international search (name of data base and, where practical search terms used)  EPO-Internal, CHEM ABS Data, BIOSIS, WPI Data .					
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the rele	evant passages	Relevant to claim No.		
X	T GROTH & M MELDAL: "N-terminal peptide aldehydes as electrophiles in combinatorial solid phase synthesis of novel peptide isosteres"  JOURNAL OF COMBINATORIAL CHEMISTRY., vol. 3, 2001, pages 45-63, XP002274660  AMERICAN CHEMICAL SOCIETY, WASHINGTON., US ISSN: 1520-4766  cited in the application the whole document		1-143		
X Furth	ner documents are listed in the continuation of box C.	Patent family members a	re listed in annex.		
*Ye document defining the general state of the art which is not considered to be of particular relevance  *E' earlier document but published on or after the international filing date  *L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  *O' document referring to an oral disclosure, use, exhibition or other means  *P' document published prior to the international filing date but later than the priority date claimed  *Date of the actual completion of the international search  *T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the or priority date and not in conflict with the application but cited to understand the principle or theory underlying the or priority date and not in conflict with the application but cited to understand the principle or theory underlying the or priority date and not in conflict with the application but cited to understand the principle or theory underlying the or priority date and not in conflict with the application but cited to understand the principle or theory underlying the cited to understand the principle or theory underlying the cited to understand the principle or theory underlying the cited to understand the principle or theory underlying the cited to understand the principle or theory underlying the cited to understand the principle or theory underlying the cited to understand the principle or theory underlying the cited to understand the principle or theory underlying the cited to understand the principle or theory underlying the cited to understand the principle or theory underlying the cited to understand the principle or theory underlying the cited to understand the principle or theory underlying the cited to understand the principle or theory underlying the cited to understand the principle or theory underlying to the claimed inv			tillcl with the application but iple or theory underlying the ince; the claimed invention or cannot be considered to an the document is taken alone ace; the claimed invention dive an inventive step when the one or more other such docung obvious to a person skilled are patent tamily		
	nailing address of the ISA European Patent Office, P.B. 5618 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni,	Authorized officer  Masturzo, P	······································		
	Fax: (+31-70) 340-3016	riastur 20, F			

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT Category • Citation of document, with indication, where appropriate, of the relevant passages  Relevant to claim No.		
Category	Citation of document, with indication, where appropriate, of the relevant passages	reevan to cam No.
x	T GROTH & M MELDAL: "Synthesis of aldehyde building blocks protected as acid labile N-Boc N, O-acetals: toward combinatorial solid phase synthesis of novel peptide isosteres" JOURNAL OF COMBINATORIAL CHEMISTRY., vol. 3, 2001, pages 34-44, XP002274661 AMERICAN CHEMICAL SOCIETY, WASHINGTON., US ISSN: 1520-4766 cited in the application the whole document	1-143
X	J RADEMANN ET AL.: "Solid-phase synthesis of peptide isosters by nucleophilic reactions with N-terminal peptide aldehydes on a polar support tailored for solid-phase organic chemistry" CHEMISTRY - A EUROPEAN JOURNAL., vol. 5, no. 4, 1999, pages 1218-1225, XP002274662 VCH PUBLISHERS., US ISSN: 0947-6539 the whole document	1-143
X	J H GRIMES JR ET AL.: "Solid-phase synthesis of a type II' beta-turn peptido-mimetic library" TETRAHEDRON LETTERS., vol. 44, no. 19, 5 May 2003 (2003-05-05), pages 3835-3838, XP004420849 ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM., NL ISSN: 0040-4039 the whole document	1-143
A .	H WANG & A GANESAN: "The N-acyliminium Pictet-Spengler condensation as a multicomponent combinatorial reaction on solid phase and its application to the synthesis of demethoxyfumitremorgin C analogues" ORGANIC LETTERS., vol. 1, no. 10, 1999, pages 1647-1649, XP001021212 ACS, WASHINGTON, DC., US ISSN: 1523-7060 the whole document	1-143
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### **INTERNATIONAL SEARCH REPORT**

International Application No PCT/DK2004/000454

C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Α	P P FANTAUZZI & K M YAGER: "Synthesis of diverse tetrahydro-beta-carboline-3-carboxamides and -2,3-bis-lactame on a versatile 4-hydroxythiophenol-linked solid support" TETRAHEDRON LETTERS., vol. 39, 1998, pages 1291-1294, XP004107917 ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM., NL ISSN: 0040-4039 the whole document	1-143
Α	R MOHAN ET AL.: "Pictet-spengler reaction on solid support: synthesis of 1,2,3,4-tetrahydro-beta-carboline libraries" TETRAHEDRON LETTERS., vol. 37, no. 23, 1996, pages 3963-3966, XP004029271 ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM., NL ISSN: 0040-4039 the whole document	1-143
A	J P MAYER ET AL.: "Application of the Pictet-Spengler reaction in combinatorial chemistry" TETRAHEDRON LETTERS., vol. 37, no. 32, 1996, pages 5633-5636, XP004030498 ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM., NL ISSN: 0040-4039 the whole document	1-143

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